

Pages from Uncleared 71085-20  
Vol. 1 On or Before July 27,  
2000



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

July 27, 2000

Mr. Jim Hines  
RiceCo, LLC  
5100 Popular Avenue  
Memphis, TN 38137

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Dear Mr. Hines:

Subject: Transfer of Pesticide Registrations and Pending  
Registration From Company Number 1812 to Company  
Number 71085

Pursuant to your request in your letter and transfer  
agreement of May 24, 2000, we have approved the transfer of the  
following registrations from **Griffin, LLC**, company number **1812**,  
to **RiceCo, LLC**, company number **71085**.

The effective date of these changes is the date of this  
letter.

<u>Registered Products</u>	<u>Old EPA Reg. No.</u>	<u>New EPA Reg. No.</u>
Griffin Propanil	1812-421	71085-20
Griffin Propanil Technical	1812-422	71085-21
Griffin Propanil 60 DF	1812-425	71085-22

<u>Pending Product Name</u>	<u>Old EPA File Symbol</u>	<u>New EPA File Symbol</u>
*Griffin Propanil 80 DF	1812-UUR	71085-RO

\* The product listed above is pending registration and  
therefore cannot be marketed until it has been registered.

You should indicate the new company designation, new EPA  
Registration Number and new Establishment Number (if it has  
changed) on the labeling at the next printing which should occur  
no later than 18 months after the effective date of this  
transfer. After 18 months, any product released for shipment  
must bear the new Registration Number and Establishment Number.  
If you intend to use the labels which currently appear on the  
transferor's product after the effective date of the transfer,  
but within the 18 month grace period, you must maintain complete  
and accurate records which identify by batch number, lot number,  
or other suitable description the quantities of such product



bearing the transferor's label. Each container or package bearing the transferor's label which is released after the effective date of product registration transfer, must be clearly and accurately marked with the batch number, lot number or other descriptive designation used to identify the product in your records.

Supplemental distribution agreements of registered products do not transfer with the Section 3 registration. It is your responsibility as the registrant to notify any and all supplemental distributors of the transferred product(s) of this transfer agreement. If you wish to enter into supplemental distribution agreements of your product(s) under this new registration, the form "Notice of Supplemental Distribution of a Registered Pesticide Product," EPA Form 8570-5, must be submitted to the Agency for each supplemental distributorship.

You are required to contact your local EPA Regional Office to determine what effect this transfer of pesticide registrations has on the pesticide production establishment registration.

It will not be necessary to submit labeling for review if the only changes are in the company designation and the EPA Registration Number. Other changes in the product and/or labeling may require EPA review and approval prior to initiation. In any correspondence on these products always refer to the U.S. EPA Registration Number listed above.

The transferred registration will have the same status under the Federal Insecticide, Fungicide and Rodenticide Act, as amended, 7 USC 136 et seq., as it had prior to the approval of this transfer.

When registrations are transferred from one company to a second company, all restrictions, data requirements, conditions (suspensions), and deadlines existing on the registrations are transferred with the registrations. The new company is responsible for adhering to or complying with all such restrictions, etc. on the acquired products.

In regard to deadlines, the transferee company is responsible for submitting all required data according to the schedules already established for the acquired products. Failure to do so will result in the issuance of a Notice of Intent to Suspend. Requests from transferee companies for additional time to submit, because they acquired the registration(s) after the 3(c)(2)(B) request was issued will not be granted. If a transferee company has other valid reasons for delays in the testing which were clearly outside of their control, then such requests for time extensions will be considered in accordance



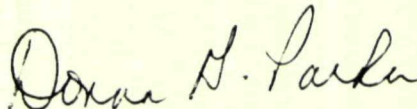
with the established procedures. Transfers occurring while a 3(c)(2)(B) request is being issued or during the 90-day response time are subject to the same conditions expressed above.

Registration is in no way to be construed as an endorsement or approval of these products by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with FIFRA.

Furthermore, the transfer of the subject registrations is approved under the condition that the annual maintenance fee obligation has been fully satisfied. The marginal maintenance fee is determined based solely on the total number of active section 3 and section 24(c) registrations held by the transferor. If the annual maintenance fee has not been fully satisfied, the transferee and transferor will be notified to comply within a specified time period or the affected registrations may be canceled.

By copy of this letter we are informing the transferor of these changes. If you have any questions about this transfer approval please contact me at (703) 305-6474.

Sincerely,



Donna G. Parker  
Information Management Specialist  
Information Services Branch  
Information Resources & Services Div. (7504C)

cc: Mr. Darryl Brock, Acting Director  
Regulatory Affairs  
Griffin LLC  
P. O. Box 1847  
Valdosta, GA 31601-1847



## GRIFFIN PROPANIL 4E

### HERBICIDE

ACTIVE INGREDIENT: Propanil, 3,4 dichloropropionalide.....43.5%\*  
INERT INGREDIENTS:.....56.5%  
TOTAL.....100.0%

- Equivalent to 4 lbs. Active ingredient per gallon. This product contains the toxic inert ingredient isophorone.

### CAUTION

#### KEEP OUT OF REACH OF CHILDREN

Si usted no entiende la etiqueta, busque a alguien para que se le explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

#### FIRST AID

**IF IN EYES:** Hold open and rinse slowly and gently with water for 15-20 minutes. Remove contact lens, if present after the first five minutes, then continue rinsing. Call a Poison Control Center or doctor for treatment advice. Get medical attention.

**IF SWALLOWED:** Call a physician or Poison Control Center immediately for treatment advice. Have the person drink 1 or 2 glasses of water if they can swallow. Induce vomiting by touching back of throat with finger, or if available by administering syrup of ipecac. If the person is unconscious, do not give anything by mouth and do not induce vomiting.

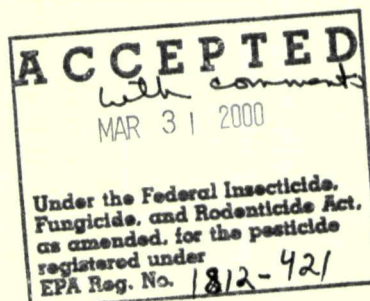
**IF ON SKIN:** Take off contaminated clothing. Wash skin immediately with plenty of soap and water for 15-20 minutes. Call a physician or Poison Control Center for treatment advice.

**NOTE TO PHYSICIAN:** Probably mucosa damage may contraindicate the use of gastric lavage. This product may pose an aspiration pneumonia hazard. Contains petroleum distillate

NET CONTENTS:

MANUFACTURED BY  
GRIFFIN CORPORATION  
Valdosta, GA.

EPA File Symbol 1812-UER  
EPA Establishment. No. 1812-GA-01





## **PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS**

Harmful if swallowed, inhaled or absorbed through the skin. Avoid breathing vapors or spray mist. Avoid contact with skin, eyes or clothing. Remove and wash clothing before reuse.

### **PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemically resistant to this product are listed below. If you want more options, follow the instructions for category B on an EPA chemical resistance category selection chart.

#### **Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants.
- Chemical resistant gloves, such as barrier laminate or butyl rubber ( $\geq 14$  mils)
- Shoes plus socks
- Protective eyewear

Follow manufacture's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. When handlers use closed systems, inclosed cab, or aircraft in a manner that meets the requirements listed in the Worker Protection Standards (WPS) for Agricultural pesticides ( 40 CFR 170.240(d)(4-6)) the handler PPE requirements may be reduced or modified as specified in the WPS.

### **USER SAFETY RECOMMENDATIONS**

#### **Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

### **ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not apply directly to water except as specified on this label. Do not contaminate water when disposing of equipment washwaters.

### **PHYSICAL AND CHEMICAL HAZARDS**

Do not use, pour, spill or store near heat or open flame.

### **DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with it's labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For requirements specific to your State or Tribe, consult the agency responsible for pesticide



regulation.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is:

- Coveralls
- Chemical-resistant gloves such as barrier laminate or butyl rubber  $\geq$  14 mils
- Shoes plus socks
- Protective eyewear

**CONDITIONS OF SALE AND WARRANTY**

Griffin Corporation warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. GRIFFIN CORPORATION MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Handling, storage and use of the product by Buyer or User are beyond the control of Griffin and Seller. Risks such as crop injury, ineffectiveness or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pests, drift to other crops or property or failure to follow label directions will be assumed by the Buyer or User. IN NO CASE WILL GRIFFIN OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL, OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT.

**CHEMIGATION**

DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM

**GENERAL INFORMATION**

**(FOR RICE GROWN IN THE SOUTHERN UNITED STATES ONLY)**

GRIFFIN PROPANIL 4E is a selective postemergence herbicide for use in rice only for control of the following weeds.

\*BARNYARDGRASS (WATERGRASS)  
BEAKRUSH (SPEARHEAD)

*Echinochloa crus-galli*, *E. colonum*  
*Rhynchospora corniculata*



COCKSPUR, GULF  
 CRABGRASS SPECIES  
 CROTON, WOOLLY  
 DOCK, CURLY  
 FOXTAIL SPECIES  
 GOOSEGRASS  
 HOORAHGRASS  
 MEXICANWEED  
 PANICUM, TEXAS  
 PARAGRASS  
 PIGWEED, REDROOT  
 REDWEED  
 SESBANIA, HEMP (COFFEEBEAN)  
 SIGNALGRASS, BROADLEAF  
 SPIKERUSH (WIREGRASS)

*Echinochloa cruz-pavonis*  
*Digitaria spp.*  
*Croton capitatus*  
*Rumex crispus*  
*Setaria spp.*  
*Eleusine indica*  
*Fimbristylis miliaceae*  
*Caperonia castaneaefolia*  
*Panicum texanum*  
*Panicum purpurascens*  
*Amaranthus retroflexus*  
*Melochia corchorifolia*  
*Sesbania exaltata*  
*Bracharia platyphytia*  
*Eleocharis spp.*

\*In isolated instances, biotypes of barnyardgrass may develop that cannot be effectively controlled by propanil alone. Where these biotypes are known or suspected to be present, and are found in a mixed weed population in which GRIFFIN PROPANIL 4E is effective, a tank mixture of GRIFFIN PROPANIL 4E at 4 quarts (4 pounds active) per acre with either Prowl® at 1.5 to 2 pints/A or Bolero® 8EC at 3 to 4 pints/A or Facet® at labeled rates is recommended to control barnyardgrass (up to 3 leaf stage). These tank mixtures may reduce crop tolerance and are applied at the user's risk.

Read and observe all label directions before using. When tank mixing, always read all individual manufacturers labels. In interpreting all labels for the tank mixture, the most restrictive situations must apply.

GRIFFIN PROPANIL 4E is an emulsifiable concentrate containing 4 pounds active ingredient per U.S. gallon. GRIFFIN PROPANIL 4E is not a hormone-type herbicide, but kills susceptible weeds by direct contact action. For this reason, thorough coverage of emerged weeds is essential for best results. Only weeds that have emerged and are exposed at time of application will be controlled. GRIFFIN PROPANIL 4E has no preemergence or residual herbicidal activity. Apply GRIFFIN PROPANIL 4E herbicide only to fields that have been drained of floodwater. GRIFFIN PROPANIL 4E is most effective if applied when susceptible grasses and broadleaf weeds are small and growing actively under favorable soil moisture and weather conditions. Early weed control removes competition, saves moisture and generally contributes to increased yields.

#### **TIMING AND DOSAGE RECOMMENDATIONS**

Treat grassy and weedy fields when a satisfactory stand of rice that will tolerate flooding is established. The amount of GRIFFIN PROPANIL 4E herbicide to apply depends primarily upon the stage and growth condition of the grasses. The growth stage of the rice is also a factor in dosage and timing limitations, so as to avoid the possibility of excessive residues. For best results apply GRIFFIN PROPANIL 4E herbicide at the rate of 3 to 4 quarts (3 to 4 pounds active) per acre when the grasses are actively growing in the 1 to early 4 leaf stage. This rate will also control many seedling broadleaf and aquatic weeds. Generally this will be 15 to 25 days after planting of the rice. In order to insure satisfactory weed control, do not apply less than 3 quarts of GRIFFIN PROPANIL 4E herbicide per acre in a single spray application.



Apply GRIFFIN PROPANIL 4E herbicide at the rate of 4 to 6 quarts (4 to 6 lbs., active) per acre to actively growing grasses in the 4 to 6 leaf and early tillering stage or when they are in the 2 to 4 leaf stage but stressed under dry soil conditions. Generally this will be 20 to 30 days after planting of the rice.

**EMERGENCY TREATMENT:** Apply GRIFFIN PROPANIL 4E herbicide at the rate of 5 to 6 quarts (5 to 6 lbs. active) in 15 gallons of spray per acre for emergency control of older tillering grass. Generally this will be 30 to 40 days after planting. If the field is already flooded, the water should be lowered or drained before spraying to expose more of the grass and weeds. Emergency treatment should be considered as a salvage operation only and cannot be relied upon for total control of grass and weeds.

**TO AVOID EXCESSIVE RESIDUES AT HARVEST, DO NOT APPLY AFTER THE END OF TILLERING FOR THE RICE VARIETY BEING TREATED. DO NOT APPLY MORE THAN A MAXIMUM OF SIX POUNDS ACTIVE INGREDIENT PER ACRE IN A SINGLE APPLICATION OR EXCEED EIGHT POUNDS ACTIVE INGREDIENT PER ACRE TOTAL DOSAGE PER SEASON.**

#### **APPLICATION EQUIPMENT**

**Aircraft-** Fixed wing aircraft or helicopters should have well-designed spray systems that produce a uniform pattern of medium-fine spray droplets. Apply GRIFFIN PROPANIL 4E herbicide on small grass in no less than 10 gallons of total spray per acre with boom-nozzle sprayers. Increase volume to 12 to 15 gallons per acre for larger or denser stands of grass or during periods of low humidity. The optimum effective spray swath width depends on operating conditions and type of aircraft being used. For uniform spray coverage with fixed-wing aircraft. Do not exceed a spray swath width of 10 percent greater than the wingspan or the length of the boom in helicopters. Measure the swaths accurately for flagging.

**GROUND SPRAYERS-** Use standard low-pressure herbicide sprayers equipped with boom and flat fan nozzles. Use nozzle sizes that deliver a medium-fine droplet in 15 to 20 gallons total spray per acre at 40 to 50 psi and at ground speeds not in excess of 3 to 4 mph. Avoid raising boom too high. Spray patterns should meet uniformly. Flush all equipment with clear water after each day's use. Clean all equipment, including nurse tanks used for GRIFFIN PROPANIL 4E herbicide, with detergent wash followed by a water rinse, BEFORE AND AFTER spraying other pesticides or other crops.

#### **CROP TOLERANCE AND GROWING CONDITIONS**

All leading commercial varieties of rice are exceptionally tolerant to GRIFFIN PROPANIL 4E herbicide. A temporary yellowing or tip burn may be noted after treatment, but new growth is normal. Severe leaf burn and partial killing of rice may occur if the product is applied when rice is under stress and in a weakened growth conditions due to disease or insect infestations, excessive soil salts, over watering, or prolonged drought and extremely hot weather. Growers are cautioned not to spray under such conditions and/or when maximum daily temperatures have been or are expected to go above 100°F.

#### **EFFECT OF CLIMATIC CONDITIONS AND CULTURAL PRACTICES ON WEED CONTROL**



**Field and Seedbed Preparation**

Fields should be accurately leveled and contoured and have well-prepared seedbeds free of clods. This encourages uniform and rapid emergence of rice, grass and broadleaf weeds and permits better timing and coverage of GRIFFIN PROPANIL 4E herbicide sprays resulting in optimum weed control.

**Water Management**

Before application of GRIFFIN PROPANIL 4E herbicide, drained or dry planted fields should be flushed as often as needed to prevent drying and crusting. Flushing encourages uniform emergence and vigorous growth of grass, broadleaf weeds and rice which is essential for best results. Flush fields in sufficient time so that weeds and rice are actively growing at time of treatment. Make sure the field is drained prior to treatment so that grasses and broadleaf weeds are fully exposed. Weeds that are partially submerged in standing water at time of application will not be satisfactorily controlled. After treatment, treated fields should always be flooded before a second infestation of grass has a chance to develop. To prevent more grass from germinating after treatment, fields should be flooded within 24 hours after spraying, or as soon as possible after 24 hours.

**Temperature**

The temperature a few days before and after applying GRIFFIN PROPANIL 4E herbicide has an important bearing on the weed-killing activity. The activity increases as daily maximum temperatures increase above 75°F and decreases as the daily maximum temperatures decline below 75°F. Do not apply GRIFFIN PROPANIL 4E herbicide when maximum temperatures have been or are expected to stay below 65°F or to go above 100°F. Low temperatures at time of application are not so important as long as it warms up later during the day.

**Relative Humidity and Rain**

Grasses and weeds are more responsive to GRIFFIN PROPANIL 4E herbicide during periods of high humidity when the foliage is moist or covered by dew. When the humidity is very low, increase spray volume to 12 to 15 gallons per acre for best results. Do not spray when rain threatens within eight hours, to avoid loss of the spray deposit before adsorption by the grass.

**Wind**

Avoid applications when the wind speed exceeds 10 mph because of drift hazard to sensitive crops and the possibility of uneven (streaked) applications.

**COMPATIBILITY WITH OTHER CHEMICALS**

Tank-mix applications of GRIFFIN PROPANIL 4E herbicide with other herbicides, insecticides, or liquid fertilizers may reduce crop tolerance and/or weed control or impair mixing properties. Use of these products in tank-mix applications with GRIFFIN PROPANIL 4E herbicide is done at the users risks.

**SPRAY DRIFT MANAGEMENT**

Avoiding spray drift at the application site application site is the responsibility of the applicator. The interaction of many equipment and weather related factors determine the potential for spray



drift. The applicator and the grower are responsible for considering all these factors when making decisions. The following drift management requirements must be followed to avoid off-target drift movement from the aerial applications to agricultural field crops. These requirements do not apply to forestry applications, public health uses or to applications using dry formulations.

1. The distance of the outer most nozzles on the boom must not exceed  $\frac{3}{4}$  the length of the wingspan or rotor.
2. Nozzles must always point backward parallel with the air stream and never be pointed downwards more than 45 degrees. Where states have more stringent regulations, they should be observed.

The applicator should be familiar with and take into account the information covered in the Aerial Drift Reduction Advisory Information

### Importance of Droplet Size

The most effective way to reduce drift potential is to apply large droplets. The best drift management strategy is to apply the largest droplets that provide sufficient coverage and control. Applying larger droplets reduces drift potential, but will not prevent drift if applications are made improperly, or under unfavorable environmental conditions (see Wind, Temperature and Humidity, and Temperature Inversion sections of this label).

### Controlling Droplet Size

**Volume-**Use high flow rate nozzles to apply the highest practical spray volume. Nozzles with higher rated flows produce larger droplets.

**Pressure-**Use the lower spray pressures recommended for the nozzle. Higher pressure reduces droplet size and does not improve canopy protection. When higher flow rates are needed, use higher flow rate nozzles instead of increasing pressure.

**Number of nozzles-**Use the minimum number of nozzles that provide uniform coverage.

**Nozzle Orientation-**Orienting nozzles so that the spray is released backwards, parallel to the airstream will produce larger droplets than other orientations. Significant deflection from the horizontal will reduce droplet size and increase drift potential.

**Nozzle Type-** Use a nozzle type that is designed for the intended application. With most nozzle types, narrower spray angles produce larger droplets. Consider using low-drift nozzles. Solid stream nozzles oriented straight back produce larger droplets than other nozzle types.

**Boom Length-**For some use patterns, reducing the effective boom length to less than  $\frac{3}{4}$  of the wingspan or rotor length may further reduce drift without reducing swath width.



**Application-** Applications should not be made at a height greater than 10 feet above the top of the largest plants unless a greater height is required for aircraft safety. Making applications at the lowest height that is safe reduces exposure of droplets to evaporation and wind.

#### Swath Adjustment

When applications are made with a cross-wind, the swath will be displaced downwind. Therefore, on the up and downwind edges of the field, the applicator must compensate for this displacement by adjusting the path of the aircraft upwind. Swath adjustment distance should increase, with increasing drift potential (higher wind, smaller drops, etc.).

#### Wind

Drift potential is lowest between wind speeds of 2-10 mph. However, many factors, including droplet size and equipment type determine drift potential at any given speed. Application should be avoided below 2 mph due to variable wind direction and high inversion potential. Note: local terrain can influence wind patterns. Every applicator should be familiar with local wind patterns and how they affect drift.

#### Temperature and Humidity

When making applications in low relative humidity, set up equipment to produce larger droplets to compensate for evaporation. Droplet evaporation is most severe when conditions are both hot and dry.

#### Temperature Inversions

Applications should not occur during a temperature inversion, because drift potential is high. Temperature inversions restrict vertical air mixing, which causes small suspended droplets to remain in a concentrated cloud. This cloud can move in unpredictable directions due to the light variable winds common during inversions. Temperature inversions are characterized by increasing temperatures with altitude and are common on nights with limited cloud cover and light to no wind. They begin to form as the sun set and often continue into the morning. Their presence can be indicated by ground fog; however, if fog is not present, inversions can also be identified by the movement of smoke from a ground source or an aircraft smoke generator. Smoke that layers and moves literally in a connected cloud (under low wind conditions) indicates an inversion, while smoke that moves upwards and rapidly dissipates indicates good vertical air mixing.

#### Sensitive Areas

The pesticide should only be applied when the potential for drift to adjacent sensitive areas (e.g., residential areas, bodies of water, own habitat for threatened or endangered species, non-target crops) is minimal (e.g. when wind is blowing away from the sensitive areas).



**Insecticides**

Severe injury or kill of rice plants may result from tank-mix combinations or separate sprays of GRIFFIN PROPANIL 4E herbicide and certain insecticides. Do not combine GRIFFIN PROPANIL 4E herbicide with carbamate insecticides such as carbaryl (Seven, etc.) Methomyl (Lannate, Nudrin, etc.) Or organophosphate insecticides such as parathion, methyl parathion, Guthion, malathion, Systox, EPN, Phosphamidon, etc. Do not apply any of the above insecticides to rice fields within 14 days before or after GRIFFIN PROPANIL 4E herbicide. Do not use carbamate or systemic organophosphorus insecticides on rice fields to be treated with GRIFFIN PROPANIL 4E herbicide. Do not apply to rice fields that were planted with rice seed treated with bird repellents containing methiocarb such as Mesurol, Borderland Red, etc. Consult local Extension specialist for current recommendations of approved insecticides on rice.

**USE RESTRICTIONS**

Do not apply to any crop other than rice. GRIFFIN PROPANIL 4E herbicide injures most crops except cereal grains and perennial grasses. Avoid drift or accidental application from turning aircraft on cotton, soybeans, corn, safflower, seedling legumes, vegetables, orchards, vineyards, gardens, shrubs and ornamentals. Once applied, it does not release fumes hazardous to nearby crops.

Water drained from treated rice fields must not be used to irrigate other crops or released within 1/2 mile upstream of a potable water intake in flowing water (e.g. river, stream, etc) or within 1/2 mile of a potable water intake in a standing body of water, such as a lake, pond or reservoir

Do not apply to fields where catfish farming is practiced and do not drain water from treated fields into areas where catfish farming is practiced.

**STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal.

**STORAGE:** Do not use, pour, spill or store near heat or open flame.

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA region office for guidance.

**CONTAINER DISPOSAL**

Triple rinse container (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill or by incineration, or if allowed by state and local authorities by burning. If burned, stay out of smoke.

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Eliminate



ignition sources. Ventilate area. Avoid breathing vapors. Use MSHA/NIOSH self-contained breathing apparatus or air mask for large spills in confined areas. Dike the spill with inert material (sand, earth, fuller's earth, etc.) And, if appropriate, transfer the liquid and solid diking material to separate containers for recovery or disposal. Remove contaminated clothing promptly and wash affected skin areas with soap and water. Wash clothing before reuse. Keep out of all sewers and open holes bodies of water. REFER TO PRECAUTIONARY STATEMENTS.

Stam is a registered trademark of Rohm and Haas Company

Bolero is a registered trademark of Kumiai Chemical Industry LTD.

Facet is a registered trademark of BASF Company

Prowl is a registered trademark of American Cyanamid Company





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

OFFICE OF PREVENTION,  
PESTICIDES AND TOXIC SUBSTANCES

14/MAY/ 1999

MEMORANDUM

Subject: EPA Reg. No: 1812-UER Griffin Propanil 4E  
DP Barcodes: D253641  
Case No: 064333  
PC Code: 028201

From: Masih Hashim, Toxicologist  
Technical Review Branch  
Registration Division (7505C)

*MH*  
*JCR*

To: Lisa Jones, PM Team 25  
Herbicide Branch  
Registration Division (7505C)

Applicant: Griffin, L.L.C.  
P.O.Box 1847  
Valdosta, GA 31603-1847

*Needs Inert of Tox Concern Statement*

FORMULATION FROM LABEL:

<u>Active Ingredient(s):</u>	<u>% by wt.</u>
Propanil	43.5
<u>Inert Ingredients</u>	<u>56.5</u>
Total:	100.0



BACKGROUND: Griffin L.L.C has submitted a set of six acute toxicity studies in support of its product Griffin Propanil 4E, # 1812 -UER. The MRID numbers for the animal studies are 446832-02, 446832-03 and 447459-01 through 447459-04. These studies were conducted at Product Safety Laboratories, East Brunswick, NJ. An Agency contractor summarized all the studies, then they were revised and evaluated by TRB.

RECOMMENDATIONS: Each of the six studies is acceptable in accordance with the Sub-Division F guidelines. The toxicology profile for the File Symbol # 1812-UER is as follows:

acute oral toxicity	III	acceptable
acute dermal toxicity	IV	acceptable
acute inhalation toxicity	IV	acceptable
primary eye irritation	III	acceptable
primary skin irritation	III	acceptable
dermal sensitization	negative	acceptable

LABELING:

ID #: 001812-00421 Griffin Propanil 4E

AGRICULTURAL USE REQUIREMENTS:

DIRECTIONS FOR USE:

For early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, wear: coveralls over long-sleeved shirt and long pants, socks and chemical resistant footwear and chemical resistant gloves (such as Nitrile, Butyl, Neoprene, and/or Barrier Lamine).

SIGNAL WORD: CAUTION

PRECAUTIONARY STATEMENTS:

Harmful if swallowed. Causes moderate eye irritation. Avoid contact with eyes, skin or clothing. ~~Wear long-sleeved shirt and long pants,~~ socks and shoes and chemical resistant gloves (such as Nitrile, Butyl, Neoprene, and/or Barrier Lamine). Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.



3

STATEMENT OF PRACTICAL TREATMENT (SOPT):

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger, or if available by administering syrup of ipecac. If the person is unconscious, do not give anything by mouth and do not induce vomiting.

IF ON SKIN: Wash with plenty of soap and water. Get medical attention, if irritation persists.

IF IN EYES: Flush eyes with plenty of water. Call a physician if irritation persists.

NOTE TO PHYSICIAN:

Note to PM/CRM/Registrant: The proposed label should contain a "Note to Physician." The following statements are suggested types of information that may be included, if applicable:

- technical information on symptomatology;
- use of supportive treatments to maintain life functions;
- medicine that will counteract the specific physiological effects of the pesticide;
- company telephone number to specific medical personnel who can provide specialized medical advice.



## DATA EVALUATION REPORT

### PROPANIL EC

STUDY TYPES: ACUTE ORAL TOXICITY - RAT (81-1)  
ACUTE DERMAL TOXICITY - RAT (81-2)  
ACUTE INHALATION TOXICITY - RAT (81-3)  
PRIMARY EYE IRRITATION - RABBIT (81-4)  
PRIMARY DERMAL IRRITATION - RABBIT (81-5)  
DERMAL SENSITIZATION - GUINEA PIG (81-6)

SUMMARY: ACUTE TOXICITY ONE-LINERS (81-1 through 81-6)

Prepared for

Registration Division  
Office of Pesticide Programs  
U.S. Environmental Protection Agency  
1921 Jefferson Davis Highway  
Arlington, VA 22202

Prepared by

Chemical Hazard Evaluation Group  
Toxicology and Risk Analysis Section  
Life Sciences Division  
Oak Ridge National Laboratory  
Oak Ridge, TN 37831

Primary Reviewer:  
Susan Chang, M.S.

Signature: \_\_\_\_\_  
Date: \_\_\_\_\_

S. Chang  
4-28-99  
AT Borg

Secondary Reviewers:  
H. Tim Borges, M.T.(A.S.C.P.),  
Ph.D., D.A.B.T.

Signature: \_\_\_\_\_  
Date: \_\_\_\_\_

APR 28 1999  
Robert H. Ross  
APR 28 1999

Robert H. Ross, M.S., Group Leader

Signature: \_\_\_\_\_  
Date: \_\_\_\_\_

Quality Assurance:  
Eric Lewis, M.S.

Signature: \_\_\_\_\_  
Date: \_\_\_\_\_

Eric B. Lewis  
APR 28 1999

#### Disclaimer

This review may have been altered subsequent to the contractor's signatures above.

Oak Ridge National Laboratory, managed by Lockheed Martin Energy Research Corp. for the U.S. Department of Energy under contract number DE-AC05-96OR22464.



## DATA REVIEW FOR ACUTE ORAL TOXICITY TESTING ( 870.1100)

**Product Manager:** 25  
**MRID No.:** 44745901

**Reviewer:** Susan Chang  
**Study Completion Date:** October 15, 1998  
**Study No.:** 6325

**Testing Facility:** Product Safety Labs  
**Author:** Moore, G.E.

**Quality Assurance (40 CFR §160.12):** Included

**Test Material:** Propanil EC (42.6% Propanil); Batch 377-67E; non-viscous black liquid

**Species:** Rats; Albino, Sprague-Dawley  
**Age:** Young adult  
**Weight:** Males: 194-254 g; Females: 167-207 g  
**Source:** Ace Animals, Inc., Boyertown, PA

### Conclusion:

1. **LD<sub>50</sub> (mg/kg):**  
**Males:** > 1500 mg/kg and < 2500 mg/kg  
**Females:** = 1314 mg/kg (95% C.L. 988-1834 mg/kg)<sup>a</sup>  
**Combined:** = 1563 mg/kg (95% C.L. 1206-1908 mg/kg)<sup>a</sup>
  2. **The estimated LD<sub>50</sub> is** 1314 mg/kg
  3. **Tox. Category:** III **Classification:** Acceptable
- <sup>a</sup> LD<sub>50</sub> calculated by Moving Angle Average Method [Thompson, W.R. and Weil, C.S., Biometrics 8(1) 52-54, 1952]

**Procedure (Deviations ):** None

### Results:

Dosage (mg/kg)	Number of Deaths/Number Tested		
	Males	Females	Combined
500	0/5	0/5	0/10
1500	0/5	4/5	4/10
2500	5/5	5/5	10/10
5000	5/5	5/5	10/10

**Observations:** Three females in the 1500 mg/kg group, four males and four females in the 2500 mg/kg group, and four males and five females in the high-dose group died on the day (day 0) of test material administration. One male in the high-dose group died on day 1. One female in the 1500 mg/kg group and one male in the 2500 mg/kg group died on day 2. One female in the 2500 mg/kg group died on day



6

3. Hypoactivity, hunched posture, and/or piloerection were noted on all surviving rats with recovery by day 3 or 4. The decedents also showed irregular respiration and were prone prior to death. In addition, two surviving females in the 500 mg/kg group had reduced fecal volume on days 2-3. All surviving rats had normal body weight gains.



**DATA REVIEW FOR ACUTE DERMAL TOXICITY TESTING (§81-2, 870.1200)**

**Product Manager:** 25  
**MRID No.:** 44683202

**Reviewer:** Susan Chang  
**Study Completion Date:** October 15, 1998  
**Study No.:** 6326

**Testing Facility:** Product Safety Labs  
**Author:** Moore, G.E.

**Quality Assurance (40 CFR §160.12):** Included

**Test Material:** Propanil EC (42.6% Propanil); Batch 377-67E; non-viscous black liquid

**Species:** Rats; Albino, Sprague-Dawley  
**Age:** Young adult  
**Weight:** Males: 250-275 g; Females: 203-224 g  
**Source:** Ace Animals, Inc., Boyertown, PA

**Dermal LD<sub>50</sub> Testing:**

**Conclusion:**

1. **LD<sub>50</sub> (mg/kg):**  
    **Males:** > 5000 mg/kg  
    **Females:** > 5000 mg/kg  
    **Combined:** > 5000 mg/kg
2. **The estimated LD<sub>50</sub> is > 5000 mg/kg**
3. **Tox. Category: IV**

**Classification:** Acceptable

**Procedure (Deviations from §81-2):** None

**Results:**

Dosage (mg/kg)	Number of Deaths/Number Tested		
	Males	Females	Combined
5000	0/5	0/5	0/10

**Observations:** No animals died during the study. Irregular respiration and/or hunched posture were noted on five rats that recovered by day 2. Erythema/edema was noted on all dose sites on days 1-3. All animals had normal body weight gains.

**Gross Necropsy:** No gross abnormalities were noted.



## DATA REVIEW FOR ACUTE INHALATION TOXICITY TESTING ( 870.1300)

**Product Manager:** 25  
**MRID No.:** 44683203

**Reviewer:** Susan Chang  
**Study Completion Date:** October 15, 1998  
**Study No.:** 6327

**Testing Facility:** Product Safety Labs  
**Author:** Wnorowski, G.

**Quality Assurance (40 CFR §160.12):** Included

**Test Material:** Propanil EC (42.6% Propanil); Batch 377-67E; non-viscous black liquid

**Species:** Rats; Albino, Sprague-Dawley  
**Age:** Young adult  
**Weight:** Males: 252-285 g; Females: 202-232 g  
**Source:** Ace Animals, Inc., Boyertown, PA

### Conclusion:

1. **LC<sub>50</sub> (mg/L):**  
**Males:** > 2.06 mg/L  
**Females:** > 2.06 mg/L  
**Combined:** > 2.06 mg/L
2. **The estimated LC<sub>50</sub> is > 2.06 mg/L**
3. **Tox. Category:** IV

**Classification:** Acceptable

**Procedure (Deviations):** None

Exposure Concentration mg/L (Gravimetrically Determined)	Number of Deaths/Number Tested		
	Males	Females	Combined
2.06	0/5	0/5	0/10

**Clinical Observations:** The clinical abnormalities during exposure included ocular and nasal discharge, irregular respiration, dyspnea, hypoactivity, and/or hunched posture. Upon removal from the chamber, nasal discharge, irregular respiration, dyspnea, hypoactivity, and/or hunched posture were noted in all rats. One female developed facial staining. All rats recovered by day 2 and had normal body weight gains with the exception of one female that lost weight during the second week.

**Gross Necropsy Findings:** No gross abnormalities were noted .

Chamber Atmosphere		
Grav. Conc.	MMAD	GSD
2.06 mg/L	2.8 $\mu$ m	1.63

**Other Information:** Approximately 86% of particles had an aerodynamic diameter  $\leq 3.3 \mu$ m.



Chamber Environment <sup>a</sup>	
Chamber Volume	150 L
Airflow	45.5 LPM
Temperature	70°F
Relative Humidity	58-62%

<sup>a</sup> Whole body

**Gross Necropsy:** All decedents had slightly to moderately red lungs, discolored livers, and/or yellow/red gastrointestinal tracts. No gross abnormalities were found in the surviving rats.



## DATA REVIEW FOR PRIMARY EYE IRRITATION TESTING ( 870.2400)

**Product Manager:** 25

**MRID No.:** 44745902

**Reviewer:** Susan Chang

**Study Completion Date:** October 15, 1998

**Study No.:** 6328

**Testing Facility:** Product Safety Labs

**Author:** Moore, G.E.

**Quality Assurance (40 CFR §160.12):** Included

**Test Material:** Propanil EC (42.6% Propanil); Batch 377-67E; non-viscous black liquid

**Dosage:** 0.1 mL

**Species:** Rabbits; Albino, New Zealand White

**Age:** Adult

**Weight:** Not reported

**Source:** Davidson's Mill Farm, South Brunswick, NJ

### Conclusion:

1. **Toxicity Category:** III (Moderate irritant)
2. **Classification:** Acceptable

**Procedure (Deviations ):** None

Observations	Number "positive"/number tested					
	Hours				Days	
	1	24	48	72	4	7
	Unwashed eyes					
Corneal Opacity	0/6	6/6	6/6	6/6	4/6	0/6
Iritis	3/6	6/6	5/6	4/6	0/6	0/6
Conjunctivae:						
Redness	6/6	6/6	4/6	3/6	1/6	0/6
Chemosis	4/6	4/6	4/6	1/6	0/6	0/6
Discharge	6/6	2/6	0/6	0/6	0/6	0/6

**Summary:** Corneal opacity was noted on 6/6 rabbits 24 hours after test material instillation that persisted through 72 hours with resolution on two rabbits by day 4 and on four rabbits by day 7. Iritis was noted on 3/6, 6/6, 5/6, and 4/6 rabbits by 1, 24, 48, and 72 hours with resolution by day 4. Conjunctivitis was noted on all rabbits by one hour with resolution by day 7. The highest average ocular irritation index was 34.2 recorded 24 hours after instillation. This classifies the test material as a moderate irritant.

**DATA REVIEW FOR PRIMARY DERMAL IRRITATION TESTING ( 870.2500)**

**Product Manager:** 25  
**MRID No.:** 44745903

**Reviewer:** Susan Chang  
**Study Completion Date:** October 15, 1998  
**Study No.:** 6329

**Testing Facility:** Product Safety Labs  
**Author:** Moore, G.E.

**Quality Assurance (40 CFR §160.12):** Included

**Test Material:** Propanil EC (42.6% Propanil); Batch 377-67E; non-viscous black liquid  
**Dosage:** 0.5 mL

**Species:** Rabbits; Albino, New Zealand White  
**Age:** Adult  
**Weight:** Not reported  
**Source:** Davidson's Mill Farm, South Brunswick, NJ

**Conclusion:**

1. **Toxicity Category:** III (Moderate irritant)
2. **Classification:** Acceptable

**Procedure (Deviations):** None

**Results:** PDIS = 3.7 (Moderate irritant). Very slight erythema and well defined erythema were noted on 4/6 and 2/6 rabbits at one hour after patch removal. By 24 hours, well defined erythema and moderate erythema were noted on 1/6 and 5/6 rabbits, respectively, that persisted through 72 hours. Five rabbits had very slight erythema and one rabbit had well defined erythema on day 7. Very slight edema was noted on all rabbits at one hour. Edema intensified on 5/6 rabbits by 24 hours through 72 hours. By day 7, two rabbits still had very slight edema. By day 10, no erythema or edema was noted on any rabbits. Desquamation was noted on 4/6 rabbits on day 7 and 2/6 rabbits on day 10. Shiny skin was noted on 2/6 rabbits on day 10.

**Special Comments:** None



12 .  
**DATA REVIEW FOR DERMAL SENSITIZATION TESTING ( 870.2600)**

**Product Manager:** 25  
**MRID No.:** 44745904

**Reviewer:** Susan Chang  
**Study Completion Date:** October 15, 1998  
**Study No.:** 6330

**Testing Facility:** Product Safety Labs  
**Author:** Moore, G.E.

**Quality Assurance (40 CFR §160.12):** Included

**Test Material:** Propanil EC (42.6% Propanil); Batch 377-67E; non-viscous black liquid  
**Positive Control Material:** 1-Chloro-2,4-dinitrobenzene (DNCB)

**Species:** Guinea pigs; Albino, Hartley  
**Age:** Young adult  
**Weight:** Males: 330-449 g  
**Source:** Davidson's Mill Farm, South Brunswick, NJ

**Method:** Buehler

**Conclusion:**

1. **There is no indication that this product is a dermal sensitizer.**
2. **Classification:** Acceptable

**Procedure (Deviations):** None

**Procedure:** For the induction phase, 0.4 mL of undiluted test material was applied under occlusion for six hours once each week for three weeks. Twelve days after the third induction, the animals were challenged with 0.4 mL of 75% w/w test material in corn oil under occlusion at naive sites for 6 hours. A naive control group was treated with 0.4 mL of 75% test material in corn oil at challenge only. The positive control group animals were induced with 0.4 mL of 0.08% DNCB in 80% aqueous ethanol and challenged with 0.04% DNCB in acetone. A naive positive control group was challenged with 0.04% DNCB in acetone. Reactions were scored 24 and 48 hours post exposure.

**Results:** Very faint usually nonconfluent erythema and faint usually confluent erythema were noted on 7/10 and 1/10 animals, respectively, at 24 hours that persisted through 48 hours with the exception of the erythema on one animal that intensified to faint usually confluent after the first induction. Very faint usually nonconfluent erythema to severe erythema were noted on all animals after the second and the third inductions. Eschar was also present on five animals after the third induction. After challenge, no positive reaction was found on any test or naive control animal. The DNCB positive control and naive control animals responded appropriately.

# ACUTE TOX ONE-LINERS

1. **DP BARCODE:** D253641
2. **PC CODE:** 028201
3. **CURRENT DATE:** May6, 1999
4. **TEST MATERIAL:** Propanil EC (42.6% Propanil); Batch 377-67E; non-viscous black liquid

Study/Species/Lab Study #/Date	MRID	Results	Tox. Cat.	Core Grade
Acute oral toxicity rat/Product Safety Labs, 6325/10-15-98	44745901	LD <sub>50</sub> > 1500 mg/kg and < 2500 mg/kg (males) = 1314 mg/kg (females) = 1563 mg/kg (combined)	III	A
Acute dermal toxicity rat/Product Safety Labs, 6326/10-15-98	44683202	LD <sub>50</sub> > 5000 mg/kg (males, females, combined)	IV	A
Acute inhalation toxicity rat/Product Safety Labs, 6327/10-15-98	44683203	LC <sub>50</sub> > 2.06 mg/L (males, females, combined)	IV	A
Primary eye irritation rabbit/Product Safety Labs, 6328/10-15-98	44745902	Moderate irritant	III	A
Primary dermal irritation rabbit/Product Safety Labs, 6329/10-15-98	44745903	Moderate irritant	III	A
Dermal sensitization guinea pig/Product Safety Labs, 6330/10-15-98	44745904	Not a sensitizer	--	A

Core Grade Key: A =Acceptable, S = Supplementary, U = Unacceptable, V = Self Validated



14  
ENDRECORD





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

L. Vernon White, Ph.D.  
Manager, Herbicide Registration  
Griffin Corporation  
P.O. Box 1847  
Rocky Road Ford  
Valdosta, GA 31603-1847

SUBJECT: Griffin Propanil 4E, EPA File Symbol 1812-UER

Dear Dr. White:

Your application for registration of Griffin Propanil 4E cannot be processed further until you correct the following minor deficiency in the acute toxicity studies you submitted October 23, 1998:

The Good Laboratory Practice Compliance Statement are missing submitter and sponsor signatures and dates for "Acute Oral Toxicity Defined LD<sub>50</sub>", "Primary Eye Irritation", "Primary Skin Irritation" and "Dermal Sensitization Test -- Buehler Method"

If you can fax these corrections to us at (703) 308-1825 we will begin our product chemistry and acute toxicity review.

If you have any questions, please call Lisa Jones of my staff at (703) 308-9424.

Sincerely

James Tompkins  
Product Manager 25  
Herbicide Branch  
Registration Division

CONCURRENCES

SYMBOL ▶	7505C							
SURNAME ▶	Lisa Jones							
DATE ▶	Dec 29, 1998							

EPA Form 1320-1 (12-70)

OFFICIAL FILE COPY



446832-00

October 23, 1998

Mr. Jim Tompkins  
Product Manager (25)  
Herbicide-Fungicide Branch  
Document Processing Desk  
Registration Division H7503C  
U. S. Environmental Protection Agency  
401 M Street, S. W.  
Washington, D.C. 20460

RE: Application for new Me-Too Registration  
Griffin Propanil 4E  
EPA Reg. No. 1812-*UEB*

Dear Mr. Tompkins:

Griffin is herewith submitting an application for the registration of Griffin Propanil 4E. This is a me-too application.

Enclosed please find the following for the above product:

Application for Registration  
Confidential Statement of Formula  
Data Reference Sheet  
Three (3) copies of the proposed label  
Three copies of the following studies:  
Product Chemistry Data

Acute Oral Toxicity Defined LD <sup>50</sup>	44683201
Acute Dermal Toxicity Limit Test	Reject (01)
Acute Inhalation Toxicity Limit Test	44683202
Primary Eye Irritation	44683203
Primary Skin Irritation	Reject (02)
Dermal Sensitization Test - Buehler Method	Reject (03)
	Reject (04)

Please advise if you have specific questions relating to this application or require additional information. My telephone number is (501) 922-6723. Thanking you in advance for your cooperation.

Sincerely,  
GRIFFIN LLC

*L. Vernon White/at*

L. Vernon White, Ph.D.  
Manager, Herbicide Registration

Griffin L.L.C.

P.O. Box 1847 / Valdosta, GA 31603-1847  
2509 Rocky Ford Rd. / Valdosta, GA 31601  
Telephone: (912) 242-8635  
Facsimile: 912-244-5813





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

October 29, 1998

OFFICE OF  
PREVENTION, PESTICIDE AND  
TOXIC SUBSTANCES

Griffin LLC  
P.O. box 1847  
Valdosta, GA 31603-1847

PRODUCT NAME: Griffin Propanil 4E  
COMPANY NAME: Griffin, LLC  
IDENTIFICATION NUMBER: 253814  
EPA FILE SYMBOL: 1812-UER  
EPA RECEIPT DATE: 10/27/98

SUBJECT: RECEIPT OF APPLICATION FOR A NEW REGISTRATION

DEAR REGISTRANT:

The Office of Pesticides Programs has received your application for a new registration and it has passed an administrative screen for completeness.

Please note that this is only a notification of receipt of your application. This is only the first step in the application process, and does NOT constitute approval.

If you have any questions please contact Jim Tompkins, Product Manager 25, (703)-305-5697.

Sincerely,

A handwritten signature in cursive script, appearing to read "David L. Jones", is written over the typed name.

Front End Processing Staff  
Information Services Branch  
Information Resources & Services Division





United States  
**Environmental Protection Agency**  
Washington, DC 20460

XX	Registration
	Amendment
	Other

OPP Identifier Number

253814

## Application for Pesticide - Section I

1. Company/Product Number 1812- <del>WER</del>	2. EPA Product Manager Jim Tompkins ✓	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Griffin Propanil 4E	PM# 25 ✓	
5. Name and Address of Applicant (Include ZIP Code)  Griffin LLC P.O. Box 1847 Valdosta, Ga. 31603-1847 <input type="checkbox"/> Check if this is a new address	6. <b>Expedited Review.</b> In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to:  EPA Reg. No. 707-109  Product Name Stam 4E	

## Section - II

☐ Amendment - Explain below.

☒ Resubmission in response to Agency letter dated \_\_\_\_\_

☐ Notification - Explain below.

☐ Final printed labels in response to Agency letter dated \_\_\_\_\_

☐ "Me Too" Application.

☒ Other - Explain below.

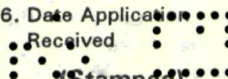
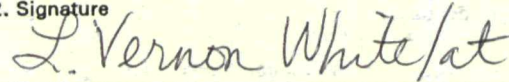
**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

## Initial application for registration

### Section - III

1. Material This Product Will Be Packaged In:			2. Type of Container		
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____		
If "Yes" Unit Packaging wgt.      No. per container		If "Yes" Package wgt      No. per container			
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 2.5, 30, 55, 270		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled		<input checked="" type="checkbox"/> Other <u>Booklet in pouch</u>			

## Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name <b>L. Vernon White</b>	Title <b>Mgr. Herbicide Registration</b>	Telephone No. (Include Area Code) <b>501-922-6723</b>
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		6. Date Application Received (Stamped) 
2. Signature 	3. Title <b>Mgr. Herbicide Registration</b>	
4. Typed Name <b>L. Vernon White</b>	5. Date <b>October 9, 1998</b>	



## PAPERWORK REDUCTION ACT NOTICE and INSTRUCTIONS

**PAPERWORK REDUCTION ACT NOTICE:** Public reporting burden for this collection of information is estimated to average 0.85 hour per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, (2136), U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460.

**INSTRUCTIONS:** This form is to be used for all applications for new registration, end use reregistration, amendment, resubmission, to applications for notifications, final printed labeling, reregistration, etc. In order to process an application for a new registration submitted on this form, the following material must accompany the application:

1. Certification with Respect to Citation of Data (EPA Form 8570-29). [If not exempted by 40 CFR 152.81 (b) (4)];
2. Confidential Statement of Formula (EPA Form 8570-4);
3. Formulator's Exemption Statement (EPA Form 8570-27);
4. Five copies of draft labeling;
5. Three copies of any data submitted;
6. Authorization letter where applicable;
7. Matrices where applicable.

**Submission of Labeling** - Labeling should first be submitted in the form of draft labels with all applications for new registration. Such draft labels may be in the form of typed label text on 8.5 x 11 inch paper for submission or a mockup of the proposed label. If prepared for mockup, it should be constructed in a way as to facilitate storage in an 8.5 x 11 inch file. Mockup labels significantly smaller than 8.5 x 11 inches should be mounted on 8.5 x 11 inch paper for submission.

**Submission of Data** - Data submitted in support of this application must be submitted in accordance with PR Notice 86-5.

**SPECIFIC INSTRUCTIONS:** Please read the instructions listed below before completing this application. First determine the type of registration action, listed in Block A, for which you are submitting this application. For applications submitted in connection with New Registration actions, Sections I, III, and IV must be completed by the applicant. For applications submitted in connection with amended reregistration actions, resubmissions, notifications, reregistrations, etc., Sections I, II, and IV must be completed by the applicant.

**Block A** - Check the appropriate action for which you are submitting this form.

**SECTION I** - This section must be completed, as applicable, for all registration actions.

1. **Company/Product Number** - Insert your Company Number, if one has been assigned by EPA. This number may have been assigned to you as a basic registrant, a distributor, or as an establishment. If your product is registered, insert the Product Number.
2. **EPA Product Manager** - If known, fill in the name and PM number of the EPA Product Manager.
3. **Proposed Classification** - Specify the proposed classification of this product.
4. **Product Name** - Enter the complete product name of this pesticide as it will appear on the label. The name must be specific to this product only. Duplication of names is not permitted among products of the same company. Do not include any brand name or company line designations.
5. **Name and Address of Applicant** - The name of the firm or person and address shown in your application is the person or firm to whom the registration will be issued. If you are acting in behalf of another party, you must submit authorization from that party to act for them in registration matters. An applicant not residing in the United States must have an authorized agent residing in the United States to act for them in all registration matters. The name and complete mailing address of such an agent must accompany this application.
6. **Expedited Review** - FIFRA section 3 (c) 3 (B) provides for expedited review of applications for registration, or amendments to existing registration that are similar or identical to other pesticide products that are currently registered with the EPA. In order for your application to be eligible for expedited review, you must provide us with the EPA Registration Number and product name of the product you believe is similar to or identical to your product. The product must be similar or identical in both formulation and labeled uses.

**SECTION II** - This section must be completed for all applications submitted to amend the registration only of a currently registered product (Amendment), for a resubmission in response to an Agency letter, for notifications to the Agency, for the submission of final printed labeling, for reregistration and for any other action that pertains to a specific EPA-registered product. This section is not to be used for a new application for registration.

1. **Subject of submission** - Check the applicable block and provide the Agency letter date if appropriate. Provide a brief explanation of the purpose(s) for the submission, such as "the addition of a site, pest or crop (specify)"; "amend the Confidential Statement of Formula by..."; "reregistration submission"; "general label revision of use directions." Attach a separate page if additional space is needed.

**SECTION III** (Packaging and Container Information) - This Section must be completed for all applications submitted in connection with new registration or applicable amendments.

1. **Type of Packaging** - Check the appropriate block if your product will be packaged in the indicated packaging types.  
Indicate the size of the individual packets and number per retail container.
2. **Type of Retail Container** - Indicate type of container in which product will be marketed.
3. **Location of Net Contents** - Indicate the location of the net contents information for your product.
4. **Size(s) of Retail Container** - Specify the net contents of all retail containers for your product.
5. **Location of Use Directions** - Indicate the location of the use directions for your product.
6. **Manner in which label is affixed to product** - Indicated the method product label is attached to retail container.

**SECTION IV** (Contact Point) - This Section must be completed for all applications for Registration actions, i.e., new products registration, resubmission, "me-too," reregistration, etc.

- 1-5. Self-explanatory.
6. EPA Use Only.



NIFT

Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060. Approval expires 05-31-98



United States  
Environmental Protection Agency  
Washington, DC 20460

☒ Registration  
☐ Amendment  
☐ Other

OPP Identifier Number

253814

## Application for Pesticide - Section I

1. Company/Product Number 1812- <del>UFR</del>	2. EPA Product Manager Jim Tompkins ✓	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Griffin Propanil 4E	PM# 25 ✓	
5. Name and Address of Applicant (Include ZIP Code) Griffin LLC P.O. Box 1847 Valdosta, Ga. 31603-1847 <input type="checkbox"/> Check if this is a new address	6. Expedited Review. In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. 707-109 Product Name Stam 4E	

## Section - II

<input type="checkbox"/> Amendment - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input type="checkbox"/> Notification - Explain below.	<input checked="" type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Initial application for registration

## Section - III

1. Material This Product Will Be Packaged In:			
Child-Resistant Packaging <input type="checkbox"/> Yes* <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	2. Type of Container <input checked="" type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify)
If "Yes" Unit Packaging wgt. No. per container		If "Yes" Package wgt. No. per container	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 2.5, 30, 55, 270	5. Location of Label Directions <input type="checkbox"/> On Label <input checked="" type="checkbox"/> On Labeling accompanying product
6. Manner in Which Label is Affixed to Product <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled <input checked="" type="checkbox"/> Other Booklet in pouch			

## Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)			
Name L. Vernon White		Title Mgr. Herbicide Registration	Telephone No. (Include Area Code) 501-922-0723
Certification I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.			6. Date Application Received (Stamped) OCT 9 1998
2. Signature L. Vernon White/at		3. Title Mgr. Herbicide Registration	
4. Typed Name L. Vernon White		5. Date October 9, 1998	



## PAPERWORK REDUCTION ACT NOTICE and INSTRUCTIONS

**PAPERWORK REDUCTION ACT NOTICE:** Public reporting burden for this collection of information is estimated to average 0.85 hour per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, (2136), U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460.

**INSTRUCTIONS:** This form is to be used for all applications for new registration, end use reregistration, amendment, resubmission, to applications for notifications, final printed labeling, reregistration, etc. In order to process an application for a new registration submitted on this form, the following material must accompany the application:

1. Certification with Respect to Citation of Data (EPA Form 8570-29). [If not exempted by 40 CFR 152.81 (b) (4)];
2. Confidential Statement of Formula (EPA Form 8570-4);
3. Formulator's Exemption Statement (EPA Form 8570-27);
4. Five copies of draft labeling;
5. Three copies of any data submitted;
6. Authorization letter where applicable;
7. Matrices where applicable.

**Submission of Labeling** - Labeling should first be submitted in the form of draft labels with all applications for new registration. Such draft labels may be in the form of typed label text on 8.5 x 11 inch paper for submission or a mockup of the proposed label. If prepared for mockup, it should be constructed in a way as to facilitate storage in an 8.5 x 11 inch file. Mockup labels significantly smaller than 8.5 x 11 inches should be mounted on 8.5 x 11 inch paper for submission.

**Submission of Data** - Data submitted in support of this application must be submitted in accordance with PR Notice 86-5.

**SPECIFIC INSTRUCTIONS:** Please read the instructions listed below before completing this application. First determine the type of registration action, listed in Block A, for which you are submitting this application. For applications submitted in connection with New Registration actions, Sections I, III, and IV must be completed by the applicant. For applications submitted in connection with amended reregistration actions, resubmissions, notifications, reregistrations, etc., Sections I, II, and IV must be completed by the applicant.

**Block A** - Check the appropriate action for which you are submitting this form.

**SECTION I** - This section must be completed, as applicable, for all registration actions.

1. **Company/Product Number** - Insert your Company Number, if one has been assigned by EPA. This number may have been assigned to you as a basic registrant, a distributor, or as an establishment. If your product is registered, insert the Product Number.
2. **EPA Product Manager** - If known, fill in the name and PM number of the EPA Product Manager.
3. **Proposed Classification** - Specify the proposed classification of this product.
4. **Product Name** - Enter the complete product name of this pesticide as it will appear on the label. The name must be specific to this product only. Duplication of names is not permitted among products of the same company. Do not include any brand name or company line designations.
5. **Name and Address of Applicant** - The name of the firm or person and address shown in your application is the person or firm to whom the registration will be issued. If you are acting in behalf of another party, you must submit authorization from that party to act for them in registration matters. An applicant not residing in the United States must have an authorized agent residing in the United States to act for them in all registration matters. The name and complete mailing address of such an agent must accompany this application.
6. **Expedited Review** - FIFRA section 3 (c) 3 (B) provides for expedited review of applications for registration, or amendments to existing registration that are similar or identical to other pesticide products that are currently registered with the EPA. In order for your application to be eligible for expedited review, you must provide us with the EPA Registration Number and product name of the product you believe is similar to or identical to your product. The product must be similar or identical in both formulation and labeled uses.

**SECTION II** - This section must be completed for all applications submitted to amend the registration only of a currently registered product (Amendment), for a resubmission in response to an Agency letter, for notifications to the Agency, for the submission of final printed labeling, for reregistration and for any other action that pertains to a specific EPA-registered product. This section is not to be used for a new application for registration.

1. **Subject of submission** - Check the applicable block and provide the Agency letter date if appropriate. Provide a brief explanation of the purpose(s) for the submission, such as "the addition of a site, pest or crop (specify)"; "amend the Confidential Statement of Formula by..."; "reregistration submission"; "general label revision of use directions." Attach a separate page if additional space is needed.

**SECTION III** (Packaging and Container Information) - This Section must be completed for all applications submitted in connection with new registration or application amendments.

1. **Type of Packaging** - Check the appropriate block if your product will be packaged in the indicated packaging types.  
Indicate the size of the individual packets and number per retail container.
2. **Type of Retail Container** - Indicate type of container in which product will be marketed.
3. **Location of Net Contents** - Indicate the location of the net contents information for your product.
4. **Size(s) of Retail Container** - Specify the net contents of all retail containers for your product.
5. **Location of Use Directions** - Indicate the location of the use directions for your product.
6. **Manner in which label is affixed to product** - Indicate the method product label is attached to retail container.

**SECTION IV** (Contact Point) - This Section must be completed for all applications for Registration actions, i.e., new products registration, resubmission, "me-too", reregistration, etc.

- 1-5. Self-explanatory.
6. EPA Use Only.



N/F1

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October 23, 1998

Mr. Jim Tompkins  
Product Manager (25)  
Herbicide-Fungicide Branch  
Document Processing Desk  
Registration Division H7503C  
U. S. Environmental Protection Agency  
401 M Street, S. W.  
Washington, D.C. 20460

RE: Application for new Me-Too Registration  
Griffin Propanil 4E  
EPA Reg. No. 1812-~~WDD~~UER

Dear Mr. Tompkins:

Griffin is herewith submitting an application for the registration of Griffin Propanil 4E. This is a me-too application.

Enclosed please find the following for the above product:

- Application for Registration
- Confidential Statement of Formula
- Data Reference Sheet
- Three (3) copies of the proposed label
- Three copies of the following studies:
  - Product Chemistry Data
  - Acute Oral Toxicity Defined LD<sup>50</sup>
  - Acute Dermal Toxicity Limit Test
  - Acute Inhalation Toxicity Limit Test
  - Primary Eye Irritation
  - Primary Skin Irritation
  - Dermal Sensitization Test – Buehler Method

Please advise if you have specific questions relating to this application or require additional information. My telephone number is (501) 922-6723. Thanking you in advance for your cooperation.

Sincerely,  
GRIFFIN LLC

*L. Vernon White/et*

L. Vernon White, Ph.D.  
Manager, Herbicide Registration

Griffin L.L.C.

P.O. Box 1847 / Valdosta, GA 31603-1847  
2509 Rocky Ford Rd. / Valdosta, GA 31601  
Telephone: (912) 242-8635  
Facsimile: 912-244-5813





**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY**  
**401 M Street, S.W.**  
**WASHINGTON, D.C. 20460**

**Paperwork Reduction Act Notice:** The public reporting burden for this collection of information is estimated to average 1.25 hours per response for registration and 0.25 hours per response for reregistration and special review activities, including time for reading the instructions and completing the necessary forms. Send comments regarding burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, DC 20460. Do not send the completed form to this address.

**Certification with Respect to Citation of Data**

Applicant's/Registrant's Name, Address, Telephone Number GRIFFIN LLC, PO Box 1847, ALBANY, GA. 31703 (501) 922-6723	EPA Registration Number/File Symbol 1812- <del>0000</del> UER
Active Ingredient(s) and/or representative test compound(s) PROPANIL	Date 10/29/98
General Use Pattern(s) (list all those claimed for this product using 40 CFR Part 158) GENERAL	Product Name GRIFFIN PROPANIL 4E

**NOTE:** If your product is a 100% repackaging of another purchased EPA-registered product labeled for all the same uses on your label, you do not need to submit this form. You must submit the Formulator's Exemption Statement (EPA Form 8570-27).

☐ I am responding to a Data-Call-In Notice, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

**SECTION I: METHOD OF DATA SUPPORT (Check one method only)**

☐ I am using the cite-all method of support, and have included with this form a list of companies sent offers of compensation (the Data Matrix form should be used for this purpose).

☒ I am using the selective method of support (or cite-all option under the selective method), and have included with this form a completed list of data requirements (the Data Matrix form must be used).

**SECTION II: GENERAL OFFER TO PAY**

[Required if using the cite-all method or when using the cite-all option under the selective method to satisfy one or more data requirements]

☐ I hereby offer and agree to pay compensation, to other persons, with regard to the approval of this application, to the extent required by FIFRA.

**SECTION III: CERTIFICATION**

I certify that this application for registration, this form for reregistration, or this Data-Call-In response is supported by all data submitted or cited in the application for registration, the form for reregistration, or the Data-Call-In response. In addition, if the cite-all option or cite-all option under the selective method is indicated in Section I, this application is supported by all data in the Agency's files that (1) concern the properties or effects of this product or an identical or substantially similar product, or one or more of the ingredients in this product; and (2) is a type of data that would be required to be submitted under the data requirements in effect on the date of approval of this application if the application sought the initial registration of a product of identical or similar composition and uses.

I certify that for each exclusive use study cited in support of this registration or reregistration, that I am the original data submitter or that I have obtained the written permission of the original data submitter to cite that study.

I certify that for each study cited in support of this registration or reregistration that is not an exclusive use study, either: (a) I am the original data submitter; (b) I have obtained the permission of the original data submitter to use the study in support of this application; (c) all periods of eligibility for compensation have expired for the study; (d) the study is in the public literature; or (e) I have notified in writing the company that submitted the study and have offered (i) to pay compensation to the extent required by sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA; and (ii) to commence negotiations to determine the amount and terms of compensation, if any, to be paid for the use of the study.

I certify that in all instances where an offer of compensation is required, copies of all offers to pay compensation and evidence of their delivery in accordance with sections 3(c)(1)(F) and/or 3(c)(2)(B) of FIFRA are available and will be submitted to the Agency upon request. Should I fail to produce such evidence to the Agency upon request, I understand that the Agency may initiate action to deny, cancel or suspend the registration of my product in conformity with FIFRA.

I certify that the statements I have made on this form and all attachments to it are true, accurate, and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.

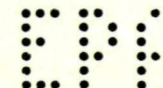
Signature L. Vernon White	Date 10/29/98	Typed or Printed Name and Title L. VERNON WHITE, MR. HERBICIDE REGISTRATION
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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
401 M Street, S.W.  
WASHINGTON, D.C. 20460

Form Approved. OMB No. 2070-0060



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DATA MATRIX

Date	EPA Reg No./File Symbol 1812- <del>UNQU</del> UER	Page 1 of 1			
Applicant's/Registrant's Name & Address: Griffin LLC P.O. Box 1847, 2509 Rocky Ford Road Valdosta, GA 31503-1847		Product Griffin Propanil 4E			
Ingredient propanil, 709-98-8					
Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note

81-1	Acute Oral Toxicity - Rat	00147676	Rohm and Haas Co., Philadelphia, PA	Pay	
81-1	Acute Oral Toxicity - Rat	00147677	Rohm and Haas Co., Philadelphia, PA	Pay	
81-2	Acute Dermal Toxicity	00147676	Rohm and Haas Co., Philadelphia, PA	Pay	
81-2	Acute Dermal Toxicity	00147677	Rohm and Haas Co., Philadelphia, PA	Pay	
81-3	Acute Inhalation Toxicity - Rat	00147678	Rohm and Haas Co., Philadelphia, PA	Pay	
81-4	Primary Eye Irritation	00147676	Rohm and Haas Co., Philadelphia, PA	Pay	
81-5	Primary Dermal Irritation	00147676	Rohm and Haas Co., Philadelphia, PA	Pay	

Signature <i>L. Vernon White</i>	Name and Title Dr. L. Vernon White Manager of Herbicide Registration	Date 10/23/91
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DATA MATRIX

Date	EPA Reg No./File Symbol 1812- <del>4185</del> <del>4186</del> <del>4187</del> <del>4188</del> <del>4189</del> <del>4190</del> <del>4191</del> <del>4192</del> <del>4193</del> <del>4194</del> <del>4195</del> <del>4196</del> <del>4197</del> <del>4198</del> <del>4199</del> <del>4200</del> <del>4201</del> <del>4202</del> <del>4203</del> <del>4204</del> <del>4205</del> <del>4206</del> <del>4207</del> <del>4208</del> <del>4209</del> <del>4210</del> <del>4211</del> <del>4212</del> <del>4213</del> <del>4214</del> <del>4215</del> <del>4216</del> <del>4217</del> <del>4218</del> <del>4219</del> <del>4220</del> <del>4221</del> <del>4222</del> <del>4223</del> <del>4224</del> <del>4225</del> <del>4226</del> <del>4227</del> <del>4228</del> <del>4229</del> <del>4230</del> <del>4231</del> <del>4232</del> <del>4233</del> <del>4234</del> <del>4235</del> <del>4236</del> <del>4237</del> <del>4238</del> <del>4239</del> <del>4240</del> <del>4241</del> <del>4242</del> <del>4243</del> <del>4244</del> 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# **GRIFFIN PROPANIL 4E** **HERBICIDE**

**ACTIVE INGREDIENTS:**

Propanil, 3,4 dichloropropionanilide.....43.5%\*

**INERT INGREDIENTS:**.....56.5%

**TOTAL**.....100.0%

\* Equivalent to 4 lbs. Active ingredient per gallon. This product contains the toxic inert ingredient isophorone.

**KEEP OUT OF REACH OF CHILDREN**  
**WARNING AVISO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

**STATEMENT OF PRACTICAL TREATMENT**

**IF IN EYES:** Flush with large amounts of water for at least 15 minutes. Consult a physician if irritation persists.

**IF ON SKIN:** wash affected area with soap and water.

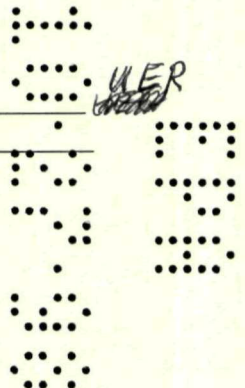
**IF SWALLOWED:** dilute by giving 2 glasses of water to drink and call a physician. Never give anything by mouth to an unconscious person.

**IF INHALED:** Remove victim to fresh air. Treat the person symptomatically. If irritation persists, call a physician.

**NOTE TO PHYSICIAN:** Emesis is recommended.

EPA EST. NO. \_\_\_\_\_  
**GRIFFIN LLC**, Valdosta, GA 31601

EPA File Symbol: 1812-\_\_\_\_\_  
NET CONTENTS: \_\_\_\_\_





**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND DOMESTIC ANIMALS  
WARNING**

Irritating to eyes and skin. Harmful if swallowed or absorbed through skin. May be harmful if inhaled. Do not get in eyes or on skin. Do not take internally. Avoid breathing spray mist.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Some materials that are chemically resistant to this product are listed below. If you want more options, follow the instructions for category B on an EPA chemical resistance category selection chart.

**Applicators and other handlers must wear:**

- Long-sleeved shirt and long pants.
- Chemical resistant gloves, such as barrier laminate or butyl rubber ( $\geq 14$  mils)
- Shoes plus socks
- Protective eyewear

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. When handlers use closed systems, enclosed cab, or aircraft in a manner that meets the requirements listed in the Worker Protection Standards (WPS) for Agricultural pesticides (40 CFR 170.240(d)(4-6)) the handler PPE requirements may be reduced or modified as specified in the WPS.

**USER SAFETY RECOMMENDATIONS**

**Users should:**

- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
- Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

**ENVIRONMENTAL HAZARDS**

This pesticide is toxic to fish. Drift and runoff from treated areas may be hazardous to aquatic organisms in neighboring areas. Do not apply directly to water except as specified on this label. Do not contaminate water when disposing of equipment washwaters.

Water drained from treated rice fields must not be used to irrigate other crops or released within  $\frac{1}{2}$  mile upstream of a potable water intake in flowing water (e.g. river, stream, etc) or within  $\frac{1}{2}$  mile of a potable water intake in a standing body of water, such as a lake, pond or reservoir.

**PHYSICAL AND CHEMICAL HAZARDS**



Do not use, pour, spill or store near heat or open flame.

### DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 24 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil or water, is:

- Coveralls
- Chemical-resistant gloves such as barrier laminate or butyl rubber  $\geq$  14 mils
- Shoes plus socks
- Protective eyewear

### CHEMIGATION

DO NOT APPLY THIS PRODUCT THROUGH ANY TYPE OF IRRIGATION SYSTEM

### GENERAL INFORMATION

#### (FOR RICE GROWN IN THE SOUTHERN UNITED STATES ONLY)

GRIFFIN PROPANIL 4E is a selective postemergence herbicide for use in rice only for control of the following weeds.

\*BARNYARDGRASS (WATERGRASS)  
BEAKRUSH (SPEARHEAD)  
COCKSPUR, GULF

*Echinochloa crus-galli*, *E. colonum*  
*Rhynchospora corniculata*  
*Echinochloa cruz-pavonis*



CRABGRASS SPECIES

CROTON, WOOLLY

DOCK, CURLY

FOXTAIL SPECIES

GOOSEGRASS

HOORAHGRASS

MEXICANWEED

PANICUM, TEXAS

PARAGRASS

PIGWEED, REDROOT

REDWEED

SESBANIA, HEMP (COFFEEBEAN)

SIGNALGRASS, BROADLEAF

SPIKERUSH (WIREGRASS)

*Digitaria* spp.

*Croton capitus*

*Rumex crispus*

*Setaria* spp.

*Eleusine indica*

*Fimbristylis miliaceae*

*Caperonia castanaefolia*

*Panicum texanum*

*Panicum purpurascens*

*Amaranthus retroflexus*

*Melochia corchorifolia*

*Sesbania exaltata*

*Bracharia platyphytia*

*Eleocharis* spp.

\*In isolated instances, biotypes of barnyardgrass may develop that cannot be effectively controlled by propanil alone. Where these biotypes are known or suspected to be present, and are found in a mixed weed population in which GRIFFIN PROPANIL 4E is effective, a tank mixture of GRIFFIN PROPANIL 4E at 4 quarts (4 pounds active) per acre with either Prowl® at 1.5 to 2 pints/A or Bolero® 8EC at 3 to 4 pints/A or Facet® at labeled rates is recommended to control barnyardgrass (up to 3 leaf stage). These tank mixtures may reduce crop tolerance and are applied at the user's risk.

Read and observe all label directions before using. When tank mixing, always read all individual manufacturers' labels. In interpreting all labels for the tank mixture, the most restrictive situations must apply.

GRIFFIN PROPANIL 4E is an emulsifiable concentrate containing 4 pounds active ingredient per U.S. gallon. GRIFFIN PROPANIL 4E is not a hormone-type herbicide, but kills susceptible weeds by direct contact action. For this reason, thorough coverage of emerged weeds is essential for best results. Only weeds that have emerged and are exposed at time of application will be controlled. GRIFFIN PROPANIL 4E has no preemergence or residual herbicidal activity. Apply GRIFFIN PROPANIL 4E herbicide only to fields that have been drained of flood water. GRIFFIN PROPANIL 4E is most effective if applied when susceptible grasses and broadleaf weeds are small and growing actively under favorable soil moisture and weather conditions. Early weed control removes competition, saves moisture and generally contributes to increased yields.

#### **TIMING AND DOSAGE RECOMMENDATIONS**

Treat grassy and weedy fields when a satisfactory stand of rice that will tolerate flooding is established. The amount of GRIFFIN PROPANIL 4E herbicide to apply depends primarily upon the stage and growth condition of the grasses. The growth stage of the rice is also a factor in dosage and timing limitations, so as to avoid the possibility of excessive residues. For best results apply GRIFFIN PROPANIL 4E herbicide at the rate of 3 to 4 quarts (3 to 4 pounds active) per acre when the grasses are actively growing in the 1 to early 4 leaf stage. This rate will



also control many seedling broadleaf and aquatic weeds. Generally this will be 15 to 25 days after planting of the rice. In order to insure satisfactory weed control, do not apply less than 3 quarts of GRIFFIN PROPANIL 4E herbicide per acre in a single spray application.

Apply GRIFFIN PROPANIL 4E herbicide at the rate of 4 to 6 quarts (4 to 6 lbs, active) per acre to actively growing grasses in the 4 to 6 leaf and early tillering stage or when they are in the 2 to 4 leaf stage but stressed under dry soil conditions. Generally this will be 20 to 30 days after planting of the rice.

**EMERGENCY TREATMENT:** Apply GRIFFIN PROPANIL 4E herbicide at the rate of 5 to 6 quarts (5 to 6 lbs. active) in 15 gallons of spray per acre for emergency control of older tillering grass. Generally this will be 30 to 40 days after planting. If the field is already flooded, the water should be lowered or drained before spraying to expose more of the grass and weeds. Emergency treatment should be considered as a salvage operation only and cannot be relied upon for total control of grass and weeds.

**TO AVOID EXCESSIVE RESIDUES AT HARVEST, DO NOT APPLY AFTER THE END OF TILLERING FOR THE RICE VARIETY BEING TREATED. DO NOT APPLY MORE THAN A MAXIMUM OF SIX POUNDS ACTIVE INGREDIENT PER ACRE IN A SINGLE APPLICATION OR EXCEED EIGHT POUNDS ACTIVE INGREDIENT PER ACRE TOTAL DOSAGE PER SEASON.**

#### APPLICATION EQUIPMENT

**Aircraft-** Fixed wing aircraft or helicopters should have well-designed spray systems that produce a uniform pattern of medium-fine spray droplets. Apply GRIFFIN PROPANIL 4E herbicide on small grass in no less than 10 gallons of total spray per acre with boom-nozzle sprayers. Increase volume to 12 to 15 gallons per acre for larger or denser stands of grass or during periods of low humidity. The optimum effective spray swath width depends on operating conditions and type of aircraft being used. For uniform spray coverage with fixed-wing aircraft. Do not exceed a spray swath width of 10 percent greater than the wingspan or the length of the boom in helicopters. Measure the swaths accurately for flagging.

**GROUND SPRAYERS-** Use standard low-pressure herbicide sprayers equipped with boom and flat fan nozzles. Use nozzle sizes that deliver a medium-fine droplet in 15 to 20 gallons total spray per acre at 40 to 50 psi and at ground speeds not in excess of 3 to 4 mph. Avoid raising boom too high. Spray patterns should meet uniformly. Flush all equipment with clear water after each day's use. Clean all equipment, including nurse tanks used for GRIFFIN PROPANIL 4E herbicide, with detergent wash followed by a water rinse, BEFORE AND AFTER spraying other pesticides or other crops.

#### CROP TOLERANCE AND GROWING CONDITIONS

All leading commercial varieties of rice are exceptionally tolerant to GRIFFIN PROPANIL 4E herbicide. A temporary yellowing or tip burn may be noted after treatment, but new growth is normal. Severe leaf burn and partial killing of rice may occur if the product is applied when rice is under stress and in a weakened growth conditions due to disease or insect infestations, excessive soil salts, over watering, or prolonged drought and extremely hot weather. Growers are



cautioned not to spray under such conditions and/or when maximum daily temperatures have been or are expected to go above 100°F.

## EFFECT OF CLIMATIC CONDITIONS AND CULTURAL PRACTICES ON WEED CONTROL

### Field and Seedbed Preparation

Fields should be accurately leveled and contoured and have well-prepared seedbeds free of clods. This encourages uniform and rapid emergence of rice, grass and broadleaf weeds and permits better timing and coverage of GRIFFIN PROPANIL 4E herbicide sprays resulting in optimum weed control.

### Water Management

Before application of GRIFFIN PROPANIL 4E herbicide, drained or dry planted fields should be flushed as often as needed to prevent drying and crusting. Flushing encourages uniform emergence and vigorous growth of grass, broadleaf weeds and rice which is essential for best results. Flush fields in sufficient time so that weeds and rice are actively growing at time of treatment. Make sure the field is drained prior to treatment so that grasses and broadleaf weeds are fully exposed. Weeds that are partially submerged in standing water at time of application will not be satisfactorily controlled. After treatment, treated fields should always be flooded before a second infestation of grass has a chance to develop. To prevent more grass from germinating after treatment, fields should be flooded within 24 hours after spraying, or as soon as possible after 24 hours.

### Temperature

The temperature a few days before and after applying GRIFFIN PROPANIL 4E herbicide has an important bearing on the weed-killing activity. The activity increases as daily maximum temperatures increase above 75°F and decreases as the daily maximum temperatures decline below 75°F. Do not apply GRIFFIN PROPANIL 4E herbicide when maximum temperatures have been or are expected to stay below 65°F or to go above 100°F. Low temperatures at time of application is not so important as long as it warms up later during the day.

### Relative Humidity and Rain

Grasses and weeds are more responsive to GRIFFIN PROPANIL 4E herbicide during periods of high humidity when the foliage is moist or covered by dew. When the humidity is very low, increase spray volume to 12 to 15 gallons per acre for best results. Do not spray when rain threatens within eight hours, to avoid loss of the spray deposit before adsorption by the grass.

### Wind

Avoid applications when the wind speed exceeds 10 mph because of drift hazard to sensitive crops and the possibility of uneven (streaked) applications.

### COMPATIBILITY WITH OTHER CHEMICALS

Tank-mix applications of GRIFFIN PROPANIL 4E herbicide with other herbicides, insecticides,



or liquid fertilizers may reduce crop tolerance and/or weed control or impair mixing properties. Use of these products in tank-mix applications with GRIFFIN PROPANIL 4E herbicide is done at the users' risks.

### **Insecticides**

Severe injury or kill of rice plants may result from tank-mix combinations or separate sprays of GRIFFIN PROPANIL 4E herbicide and certain insecticides. Do not combine GRIFFIN PROPANIL 4E herbicide with carbamate insecticides such as carbaryl (Seven, etc.) Methomyl (Lannate, Nudrin, etc.) Or organophosphate insecticides such as parathion, methyl parathion, Guthion, malathion, Systox, EPN, Phosphamidon, etc. Do not apply any of the above insecticides to rice fields within 14 days before or after GRIFFIN PROPANIL 4E herbicide. Do not use carbamate or systemic organophosphorus insecticides on rice fields to be treated with GRIFFIN PROPANIL 4E herbicide to rice fields that were planted with rice seed treated with bird repellents containing methiocarb such as Mesurol, Borderland Red, etc. Consult local Extension specialist for current recommendations of approved insecticides on rice.

### **USE RESTRICTIONS**

Do not apply to any crop other than rice. GRIFFIN PROPANIL 4E herbicide injures most crops except cereal grains and perennial grasses. Avoid drift or accidental application from turning aircraft on cotton, soybeans, corn, safflower, seedling legumes, vegetables, orchards, vineyards, gardens, shrubs and ornamentals. Once applied, it does not release fumes hazardous to nearby crops.

Do not apply to fields where catfish farming is practiced and do not drain water from treated fields into areas where catfish farming is practiced.

### **STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal.

**STORAGE:** Do not use, pour, spill or store near heat or open flame.

**IF THE ENTIRE CONTENTS ARE NOT USED, PROTECT REMAINING MATERIAL FROM MOISTURE AND HEAT. RESEALING BY ROLLING TOP DOWN AND STORAGE UNDER ROOF ARE RECOMMENDED.**

**PESTICIDE DISPOSAL:** Pesticide wastes are toxic. Improper disposal of excess pesticide, spray mixture or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA region office for guidance.



### CONTAINER DISPOSAL

**PAPER BAGS:** Completely empty bag into application equipment. Then dispose of empty bag in a sanitary landfill or by incineration. Or if allowed by State and local authorities, by burning. If burned, stay out of smoke.

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Eliminate ignition sources. Ventilate area. Avoid breathing vapors. Use MSHA/NIOSH self-contained breathing apparatus or air mask for large spills in confined areas. Dike the spill with inert material (sand, earth, fuller's earth, etc.) And, if appropriate, transfer the liquid and solid diking material to separate containers for recovery or disposal. Remove contaminated clothing promptly and was affected skin areas with soap and water. Wash clothing before reuse. Keep out of all sewers and open holes bodies of water. REFER TO PRECAUTIONARY STATEMENTS.

### WARRANTY STATEMENT

GRIFFIN warrants that this product conforms to the chemical description on the label thereof and is reasonably fit for purposes stated on such label only when used in accordance with the directions, under normal the use conditions. It is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as weather conditions, presence of other materials, or the manner of use or application, all of which are beyond the control of GRIFFIN. In no case shall GRIFFIN be liable for consequential, special or indirect damages resulting from the use or handling of this product. All such risks shall be assumed by the Buyer. The exclusive remedy of any buyer or user of this product for any and all losses, injuries, or damages resulting from or in any way arising from the use, handling, or application of this product, whether in contract, warranty, tort, negligence, strict liability, or, otherwise, shall not exceed the purchase price paid for this product or at Griffin's election, the replacement of this product. GRIFFIN MAKES NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY EXCEPT AS STATED ABOVE.

Stam is a registered trademark of Rohm and Haas Company

Bolero is a registered trademark of Kumiai Chemical Industry LTD.

Facet is a registered trademark of BASF Company

Prowl is a registered trademark of American Cyanamid Company

